# Team Project: Deliverable 1 - Proposal CSCE 5430 (Spring 2022)

**Deliverable I: Project Proposal including Project Plan and Risk Management**

1. **A project title, group name, and group members’ names.**

**Project Title:** The Bug Tracking System

**Group Name:** BUG MAFIA

**Group Members:**

1. Neha Goud Baddam
2. Vamsi Sai Konidena
3. Reshmi Chowdary Divi
4. Prem Kumar Maddula
5. Rahul Mandaloju
6. Harika Uppalapati
7. Purandhara Maharshi Chidurala
8. Shiva Surya Vardhan Reddy
9. **A project description: a detailed description of the system you plan to develop   
   including development environments (language, platform, and so on)**

**Project Description:**

A bug tracking system is a software application that maintains track of reported software issues in software development projects. Most bug tracking systems allow for the triage of incoming problems, which entails assigning a bug's priority (and maybe severity) and assigning it to a specific developer. Many bug tracking systems, including those used by most open-source software projects, allow end-users to enter bug reports directly. A bug tracking system is a database that allows you to keep track of defects (and frequently suggestions) in your software project.

**Languages:**

Although there are hundreds of different programming languages available today, most of the software we use is written in only eight of them. Each language is distinct and has its own characteristics. The languages used by the bug tracking system are as follows:

python, SQL, HTML, Oracle DB, CSS, and JavaScript.

Firebase - For Authentication and Database

Zoom – For team meetings

1. **An initial planning that lays out the big timeline for your project and expected milestones. Include Gantt and/or PERT charts where appropriate. This will be modified in later deliverables. At this point, you do not have enough details to develop a complete plan, but you can do a high-level planning exercise. Please refer to the deliverable deadlines posted on the Canvas to make a plan. Use KanBan board to track the project schedule including each member’s status.**

Deliverable 1 : Project Proposal and Risk Analysis

Deliverable 2 : Requirement Gathering and System Specification

Deliverable 3 : Prototype Version -1 ( System Design, Coding and Initial Testing)

Deliverable 4 : Prototype Version – 2 (Fixing existing bugs)

Deliverable 5 : Final Product - Fixing the Bugs from previous deliverables (Final testing and Documentation)

**Graphical user interface, application

Description automatically generated**

**Timeline

Description automatically generated**

**Diagram

Description automatically generated**

1. Risk management (content described above).

**Risk Management:**

* Only the admin/Manager can assign the tickets to the team members, this could sometimes delay the process of resolving the bug.
* It is difficult to handle multiple user profiles to give authorities to each functional area.
* The sole communication between the team members is done through this application, arising the possibility of misunderstanding the issue.
* To deliver the first version of prototype within March 11th 2022 is going to be a huge task and requires great planning and effective understanding of requirements and system design.

**Contingency plans for Risks:**

* A way to authorize few team members to assign tickets in absence of the team manager.
* Careful planning to authorize multiple user profiles.
* Adding additional reports and GUI to make the application user friendly.
* Conducting frequent meetings and effective use of GitHub and Trello Kanban Board to track milestones can help in successful delivery of the product.

1. **A section that describes each team member’s roles for the project.**
2. Neha Goud Baddam: Full Stack
3. Reshmi Chowdary Divi: Back-end Developer
4. Prem Kumar Maddula: Back-end Developer
5. Rahul Mandaloju: Frontend Developer
6. Vamsi Sai Konidena: Frontend Developer
7. Harika Uppalapati: UI Developer
8. Purandhara Maharshi Chidurala: UI Developer
9. Shiva Surya Vardhan Reddy: Testing and Documentation
10. **Member contribution table (should describe who wrote what parts of the report).   
    Add more rows as needed.**

|  |  |  |  |
| --- | --- | --- | --- |
| **Member Name** | **Contribution Description** | **Overall Contribution (%)** | **Note (If Applicable)** |
| **Neha Goud Baddam** | Document – Deliverable 1 and PPT | 15 |  |
| **Vamsi Sai Konidena** | Risk Management | 14 |  |
| **Reshmi Chowdary Divi** | Project Description and languages | 14 |  |
| **Prem Kumar Maddula** | Risk Management | 14 |  |
| **Rahul Mandaloju** | Member’s role and Contribution Table | 14 |  |
| **Harika Uppalapati** | Timeline for the project | 14 |  |
| **Purandhara Maharshi Chidurala** | Gantt Charts and PERT Charts | 15 |  |
| **Shiva Surya Vardhan Reddy** | PPT | 14 |  |